

Peter Wambua

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Loves tinkering with code and experimenting on new technologies.

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Portfolio <https://peterwambua-1998.github.io/>

Github <https://github.com/peterwambua-1998>

EXPERIENCE

Projrac Systems Limited, Nairobi, Kenya— *FullStack Developer*

Oct 2021 - PRESENT

Led development of a school transport management platform by integrating real-time vehicle tracking via a driver mobile app; streamed GPS data to the web dashboard to display live location, speed, and route progress.

Designed an incident reporting workflow (breakdowns, delays) with alerts and status tracking, improving visibility for administrators and enabling faster issue resolution.

Optimized data ingestion and map rendering to deliver smooth, low-latency updates and reliable geofencing.

Collaborated with drivers and school staff to gather requirements, test features, and roll out updates; provided guidance and training to ensure adoption.

Designed a new website for the company.

Collaborated on existing project monitoring system which is tailored for government agencies

SKILLS

- Node JS
- Express Js
- Nest Js
- Docker
- React
- Google Cloud Console
- AWS
- Relational Databases (Postgres, MySQL)
- Non Relational Databases (MongoDB, DynamoDB)
- Web sockets
- Api design
- Cloud services

LANGUAGES

English

Swahili

PROJECTS

Real-Time Collaborative Note App

A real-time collaborative note-taking web application where multiple users can edit the same note simultaneously with instant updates across clients. It demonstrates modern frontend and backend engineering skills, real-time communication, and collaborative UI features.

Tech Stack:

- Frontend
 - React with TypeScript
 - Vite
 - Yjs (CRDT)

- Vercel
- Tiptap rich editor
- Socket.io for real-time sync
- Tailwind CSS.
- Backend
 - Express js
 - Socket.io
 - Links to project:
 - Railway

Links for the project

- Live project: <https://frontend-note-collab.vercel.app/>
- Github repo frontend: <https://github.com/peterwambua-1998/note-collab-frontend>
- Github repo backend: <https://github.com/peterwambua-1998/note-collab-backend>

AI Agent Builder Platform | React (TypeScript) · NestJS · LangGraph

A full-stack platform that enables users to design, configure, and deploy custom AI agents for business automation tasks including sales operations, lead generation, and customer support. Built a React/TypeScript frontend with a NestJS backend structured as a monorepo, integrating LangGraph for orchestrating multi-step agentic workflows. The system supports voice/call recording capabilities and social media interactions, with a modular architecture that allows agents to be composed and extended for diverse use cases.

Tech Stack:

- Frontend
 - React with TypeScript
 - Vite
 - React flow (drag and drop canvas)
 - Socket.io for real-time updates
 - Tailwind CSS.
 - Shadcn UI
- Backend
 - Nest js (Micro service architecture)
 - Socket.io
 - Langchain js
 - Stripe , Paystack and PayPal
 - Passport for authentication
 - Postgres SQL (vector extension for storing embeddings)
 - Sequelize ORM
 - AWS S3

Links for the project

- Live project: <http://dev.kodensolutions.com/>

Netflix Clone Web App

A full-stack streaming platform clone inspired by Netflix. The backend serves movie and TV show data through REST APIs, interacts with TMDB (The Movie Database) for media content, and the frontend displays browseable lists, search, and details using a Tailwind CSS.

Tech Stack:

- Frontend
 - React with TypeScript
 - Vite
 - React Router
 - Shadcn UI
 - Tailwind CSS.
- Backend
 - Node js
 - Express js
 - TMDB API

Links for the project

- Live project: <https://streamflix-frontend-liart.vercel.app/>
- Github repo frontend: <https://github.com/peterwambua-1998/netflix-clone-frontend>
- Github repo backend: <https://github.com/peterwambua-1998/netflix-clone>

Certification

Master the coding interview: Data structures and Algorithms

Issued By: Udemy

Instructor: Andre Neagoie

Date: April 12, 2025

Certificate No: UC-3d8bbc93-8e66-40b9-9287-0d1d5f3e63a6

Verification Link: <https://ude.my/UC-3d8bbc93-8e66-40b9-9287-0d1d5f3e63a6>